

## ABSTRACT OF THE DISCLOSURE

An optical lens includes a hologram, a refractive lens, and a phase level difference. The hologram has a sawtooth shape grating having a sawtooth shape in cross-section, and generates +2nd-order diffracted light most strongly with respect to blue light and +1st-order diffracted light most strongly with respect to red light, by setting a height of the sawtooth shape grating. The +2nd-order diffracted light of blue light is condensed through a substrate with a thickness  $t_1$ , and the +1st-diffracted light of red light is condensed through a substrate with a thickness  $t_2$  ( $t_1 < t_2$ ). The difference in optical path length occurring when the blue light passes through the phase level difference is five times the wavelength of the blue light.